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(71) Applicant (*for all designated States except US*): EPIM-MUNE INC. [US/US]; 5820 Nancy Ridge Drive, San Diego, CA 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): SIDNEY, John [US/US]; 4218 Corte de la Siena, San Diego, CA 92130 (US). SOUTHWOOD, Scott [US/US]; 10679 Strathmore Drive, Santee, CA 92071 (US). SETTE, Alessandro [IT/US]; 5551 Linda Rosa Avenue, La Jolla, CA 92037 (US).

(74) Agents: STEFFE, ERIC, K. et al.; Sterne, Kessler, Goldstein & Fox, PLLC., 1100 New York Avenue, N.W., Washington, DC 20005 (US).

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**Declarations under Rule 4.17:**

- *as to the identity of the inventor (Rule 4.17(i)) for all designations*
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*
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(54) Title: HLA BINDING PEPTIDES AND THEIR USES

(57) Abstract: Provided herein are peptides in certain pathogens and/or human or murine proteins that are identified as capable of binding one or more MHC molecules and inducing an immune response in a system. Also provided are compositions that include one or more of the peptides and methods for inducing an immune response in a system by administering the compositions to the system.